

432005/28/08

Revised

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: UTILITIES WATER CONTROL SYSTEMS TECHNICIAN

DEFINITION

Under general supervision, to perform skilled work in the maintenance and repair of automated water control equipment and the routine testing and adjustment of control systems; to assist in control system design, installation, and programming of the control system computer; and to do related work as required.

REPORTS TO: SCADA Systems Supervisor or Util Senior Water Engineer

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from a SCADA Systems Supervisor or Util Senior Water Engineer

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Install, repair and maintain radio telemetry.
- Participate in the testing and initial start-up of control and telemetering systems.
- Assist in the testing and adjusting of recording equipment and telemetering circuits.
- Maintain, repair and replace control equipment, including electrical metering, switchgear, motors and pumps.
- Assist in the development of plans, specifications, schematics and wiring diagrams for the purchase and installation of control system equipment.
- May assist in the programming of additions and changes for the Supervisory Control and Data Requisition (SCADA) computer.
- Prepare as built and other drawings.

QUALIFICATIONS

Knowledge of:

- Methods, tools and equipment commonly used in the installation, testing and repair of automated control systems.
- Telephone and radio transmission systems as they relate to telemetering.
- Theory and practice of automated control systems using electronic, pneumatic, hydraulic and electro-mechanical equipment.
- Computer programming and programmable logic control (PLC) programming.

Ability to:

- Read and understand plan, blueprints, schematics and wiring diagrams for automated control systems.
- Trouble shoot, locate and repair control system and telemetering equipment.
- Assist in preparation of plans, estimates, specifications, schematics and wiring diagrams.
- Work under emergency conditions, day or night, and be willing to work when called anytime during a 24-hour period.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to an Associate Arts Degree (60 semester units or 90 quarter units) with major course work in electronics and/or mathematics

Experience: One year of experience in radio systems related to telemetry.

MEDICAL CATEGORY: Group 1

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

Possession of or ability to obtain within eighteen (18) months a Grade D2 Water Distribution Operator Certificate and a Grade T2 Water Treatment Operator Certificate issued by the California Department of Health Services.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Water Control Systems Technician

TO: